Amendments to the Claims

This listing of claims will replace all prior versions, and listings, of claims in the application:

Listing of Claims

1. (Currently Amended) A document generation system comprising:

an assembly facility configured to apply precedence and rules to document content and to be coupled to an origination platform;

a knowledge base configured to be coupled to the assembly facility and to store content ~~objects~~ in a~~n object-relational~~ hierarchy; and

a content management system configured to be coupled to the knowledge base and to support authoring of document content and rules.

2. (Original) A document generation system as claimed in claim 1, wherein the assembly facility is configured to validate data received from the origination platform.

3. (Currently Amended) A document generation system as claimed in claim 1, wherein the assembly facility is configured to receive transaction information from the origination platform~~apply a precedence process~~.

4. (Currently Amended) A document generation system as claimed in claim 3,~~claim 1,~~ wherein the transaction information includes an identifier of an entity requesting at least one document~~assembly facility is configured to apply rules to supplied transaction data to select, modify, or generate content~~.

5. (Currently Amended) A document generation system as claimed in claim 3,~~claim 1,~~ wherein the assembly facility is configured to apply precedence to the document content by selecting document content based on the transaction information~~validate data received from the origination platform, to apply a precedence process, and to apply rules to supplied transaction data to select, modify, or generate content~~.

6. (Original) A document generation system as claimed in claim 5, wherein the assembly facility is configured to generate a resolved, markup language file.

7. (Original) A document generation system as claimed in claim 6, wherein the resolved, markup language file is an XML file to which a style sheet may be applied to generate a file in an output format.

8. (Original) A document generation system as claimed in claim 1, wherein the assembly facility is configured to operate with an interface to receive information from the origination platform.

9. (Original) A document generation system as claimed in claim 8, wherein the interface is an application programming interface.

10. (Currently Amended) A document generation system as claimed in claim 1, wherein the knowledge base is configured to be loaded by a press process.

11. (Original) A document generation system as claimed in claim 1, wherein the knowledge base includes a plurality of stored procedures.

12. (Original) A document generation system as claimed in claim 1, wherein the knowledge base is configured to be loaded by press process and includes a plurality of stored procedures.

13. (Original) A document generation system as claimed in claim 1, wherein the knowledge base includes a plurality of object stores.

14. (Original) A document generation system as claimed in claim 13, wherein each object store corresponds to an architecture specified by a schema or a document type definition.

15. (Original) A document generation system as claimed in claim 13, wherein the knowledge base includes a rules object store and a content object store.

16. (Currently Amended) A document generation system as claimed in claims 13, ~~claim 1,~~ wherein each object store is configured to be able to contain a link to an object.

17. (Currently Amended) A document generation system as claimed in claim 16, wherein each object store is configured to be able to contain a link to an object selected from the group consisting of an external object, a binary object, and a ~~or a~~ character object.

18. (Original) A document generation system as claimed in claim 17, wherein each binary and character object is composed of XML text fragments.

19. (Currently Amended) A computer readable medium containing instructions for generating a document, the instructions comprising: ~~by~~

acquiring data from an origination platform;

interacting with a knowledge base to create a listing of ~~and applying precedence and rules to create~~ a first set of documents;

modifying the listing of the first set of documents based on user input;

validating data acquired from the origination platform; and

interacting with a knowledge base and applying precedence and rules to document content to create a second set of documents based on the listing of the first set of documents.

20. (Original) A computer readable medium as claimed in claim 19, further comprising instructions for transforming each of the documents in the second set of documents into an XML file.

21. (Original) A computer readable medium as claimed in claim 20, further comprising instructions for applying style sheets to the XML file.

22. (Original) A computer readable medium as claimed in claim 21, further comprising instructions for converting the XML file to a second file having a format other than an XML format.

23. (Currently Amended) A computer readable medium as claimed in claim 19, further comprising instructions for generating a document from the listing of the first set of documents that is a layout document.

24. (Original) A computer readable medium as claimed in claim 19, further comprising instructions for validating data received from the origination platform.

25. (Original) A computer readable medium as claimed in claim 19, further comprising instructions for performing a press process.

26. (Original) A computer readable medium as claimed in claim 19, further comprising instructions for a plurality of stored procedures.

27. (Currently Amended) A method of assembling computer-processable components into computer-processable end products, the method comprising:

interacting with a knowledge base to create a listing of a first set of end products, ~~each end product containing an object~~;

interacting with a knowledge base to identify end product content based on the listing of the first set of end products, the end product content containing at least one object;

~~applying precedence to the first set of end products~~;

extracting rules from the knowledge base; and

assembling a second set of end products based upon applying precedence and rules to the end product content.

28. (Original) A method as claimed in claim 27, further comprising acquiring data from an origination platform.

29. (Original) A method as claimed in claim 27, further comprising validating data acquired from the origination platform.

30. (Currently Amended) A method as claimed in claim 27, further comprising modifying one or more end products in the listing of the first set of end products based on user input.

31. (Original) A method as claimed in claim 27, further comprising assigning a name to each object.

32. (Currently Amended) A method as claimed in claim 31, wherein applying precedence to the end product content ~~first set of end products~~ includes associating each object with a parent having a name.

33. (Currently Amended) A method as claimed in claim 32, wherein applying precedence to the end product content ~~first set of end products~~ includes assigning the at least one object to a precedence level while retaining an association to the name of the object's parent.

34. (Currently Amended) A computer readable medium containing instructions for generating a document, the instructions comprising: ~~by~~

interacting with a knowledge base to create a listing of a first set of documents;

interacting with a knowledge base to identify document content based on the listing of the first set of documents;

applying precedence to the document content~~first set of documents~~;

extracting rules from the knowledge base; and

assembling a second set of documents based upon applying precedence and rules to the document content.

35. (Currently Amended) A set of computer-processable end products assembled by a method, the method comprising:

interacting with a knowledge base to create a listing of a first set of computer-processable end products;

interacting with a knowledge base to identify computer-processable end product content based on the listing of the first set of computer-processable end products;

applying precedence to the computer-processable end product content~~first set of computer-processable end products~~;

applying rules to the computer-processable end product content~~first set of computer-processable end products~~; and

assembling a second ~~the~~ set of computer-processable end products based upon applying precedence and rules to the computer-processable end product content.

36. (Original) The set of computer-processable end products as claimed in claim 35, further comprising acquiring data from an origination platform.

37. (Original) The set of computer-processable end products as claimed in claim 35, further comprising validating the acquired data from the origination platform.

38. (Currently Amended) The set of computer-processable end products as claimed in claim 35, further comprising modifying the listing of the first set of end products based on user input.

39. (Currently Amended) A set of documents generated by a method, the method comprising:

interacting with a knowledge base to create a listing of a first set of documents;

interacting with a knowledge base to identify document content based on the listing of the first set of documents;

applying precedence to the document content~~first set of documents~~;

applying rules to the document content~~first set of documents~~; and

assembling a second ~~the~~ set of documents ~~document~~ based upon applying precedence and rules to the document content.

40. (Original) The document as claimed in claim 39 wherein the method further comprises acquiring data from an origination platform.

41. (Original) The document as claimed in claim 39 wherein the method further comprises validating the acquired data from the origination platform.

42. (Currently Amended) The document as claimed in claim 39 wherein the method further comprises modifying the listing of the first set of documents based on user input.

43. (Currently Amended) A method for generating documents, the method comprising:

acquiring data from an origination platform;

interacting with a knowledge base to create a listing of a first set of documents;

interacting with a knowledge base to identity document content based on the listing of the first set of documents;

applying precedence to the document content ~~first set of documents~~ based on the acquired data;

applying rules to the document content ~~first set of documents~~ based on the acquired data; and

assembling a second set of documents based upon applying precedence and rules to the document content.

44. (Original) The method as claimed in claim 43, further comprising validating the acquired data from the origination platform.

45. (Currently Amended) The method as claimed in claim 43, further comprising modifying the listing of the first set of documents based on user input.